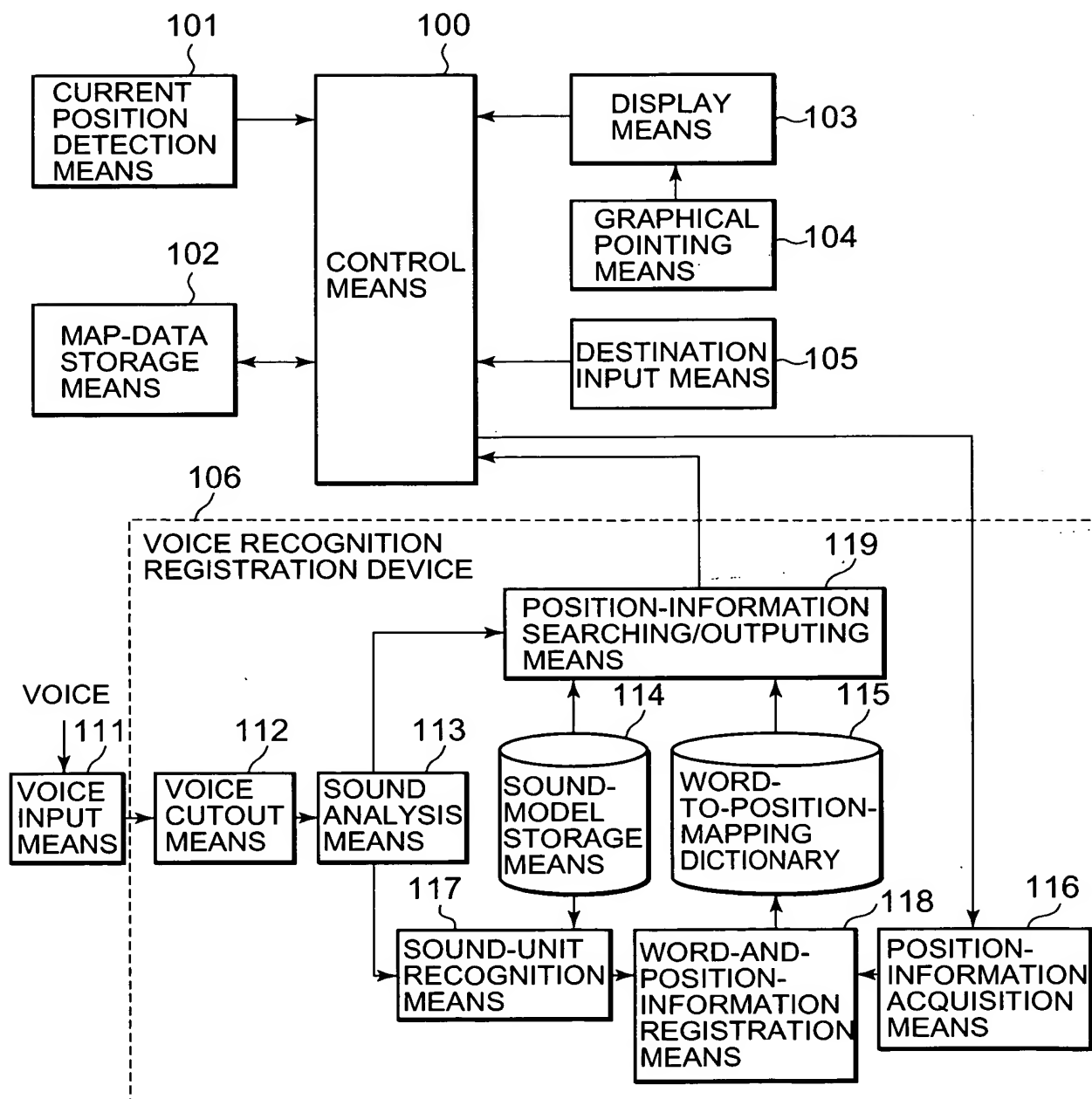


FIG. 1



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FIG. 2

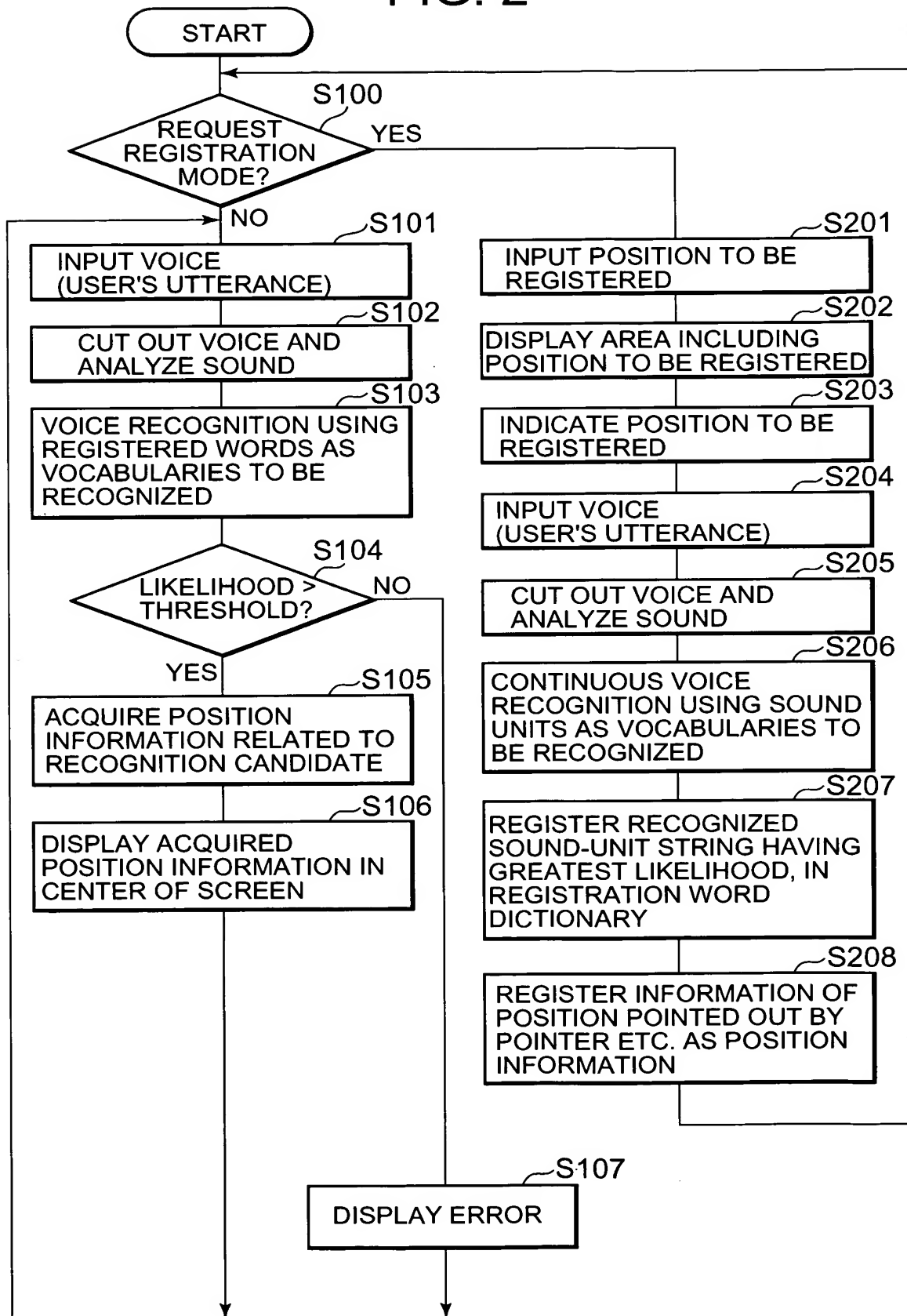
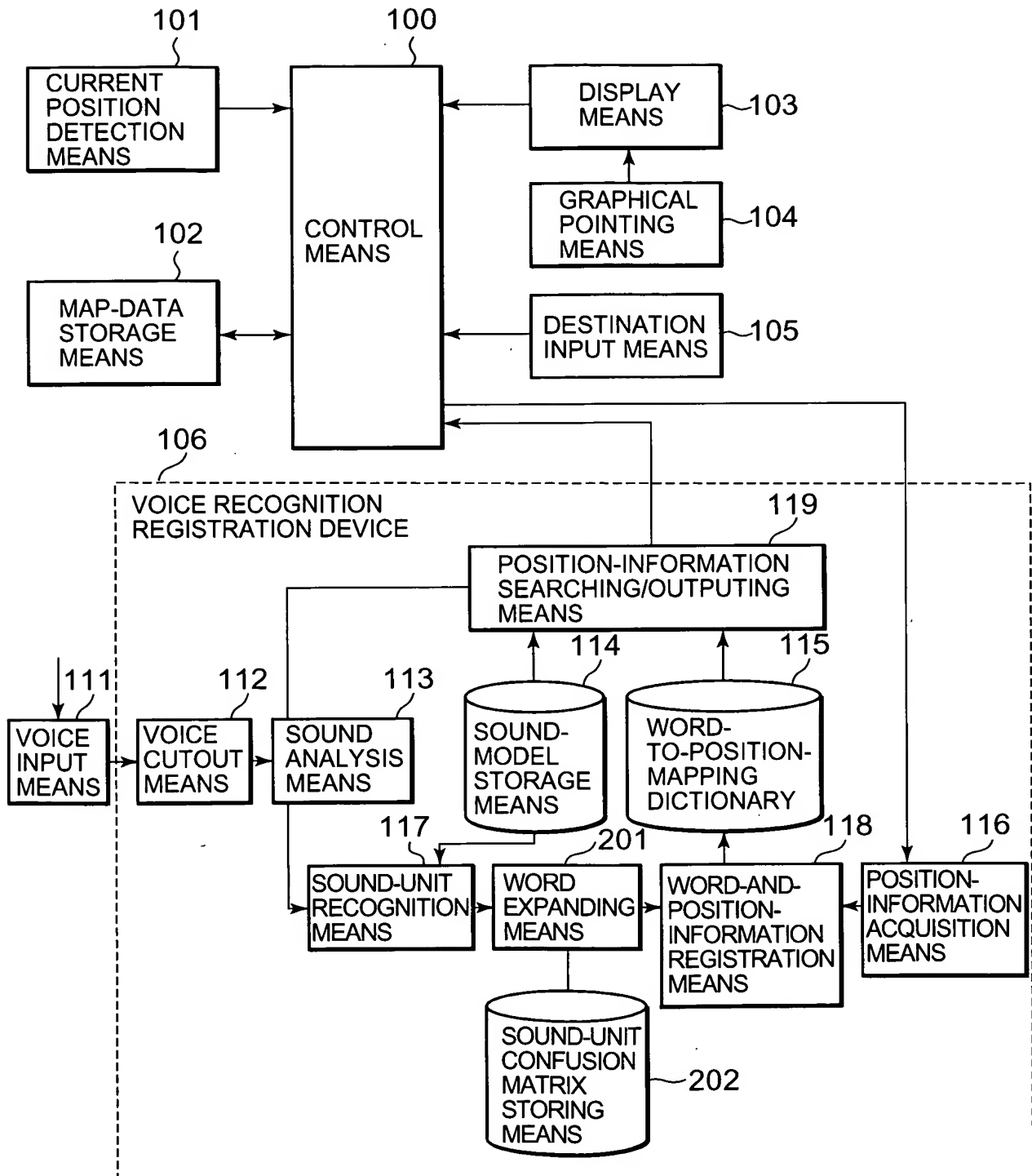


FIG. 3



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FIG. 4

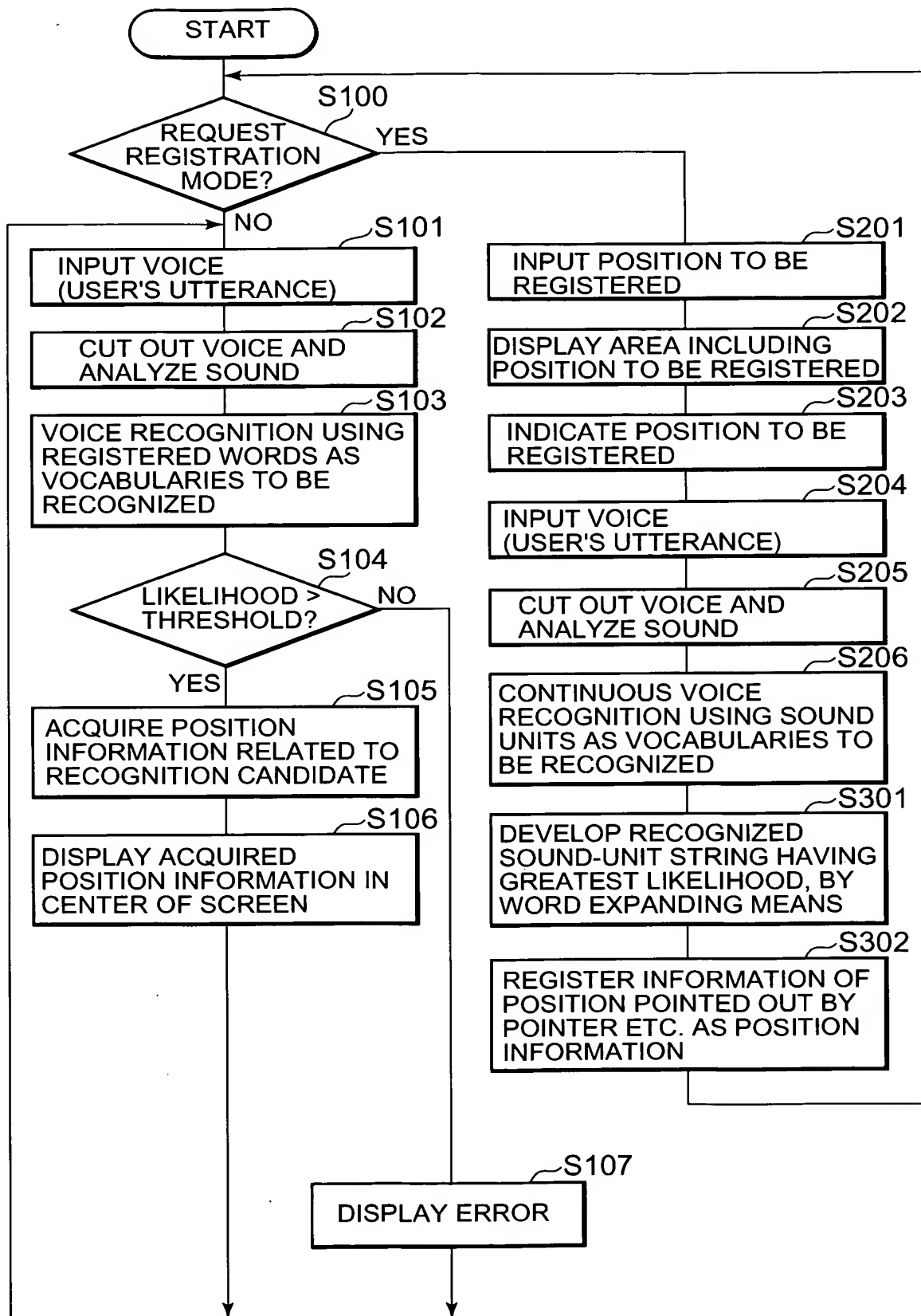


FIG. 5

RECOGNITION- RESULT SYLLABLES											
...	ka	ki	ku	ke	ko	...	ta	ci	tu	te	to
...	...	...	...	...	...	...	...	...	...	...	...
ka	0.92	...	...	...	...	...	0.04	...	...	...	...
ki	...	0.95	...	...	...	...	...	0.02	...	...	...
ku	...	...	0.91	...	...	...	...	...	0.01	...	...
ke	...	...	...	0.89	...	...	...	...	...	0.03	...
ko	...	...	...	...	0.99	...	...	...	...	...	0.04
...	...	...	...	...	...	...	...	...	...	...	...
ta	0.01	...	...	...	...	...	0.93	...	...	...	...
ci	...	0.01	...	...	...	...	...	0.98	...	...	...
tu	...	...	0.02	...	...	...	...	...	0.91	...	...
te	...	...	...	0.01	...	...	...	...	...	0.93	...
to	...	...	...	...	0.03	...	...	...	...	...	0.91
...	...	...	...	...	...	...	...	...	...	...	...

ACTUALLY  
UTTERED  
SYLLABLES

$P(\text{ta} | \text{ka}) = 0.01$   
PROBABILITY THAT ta IS ACTUALLY UTTERED  
ALTHOUGH RECOGNITION RESULT IS /ka/ IS 0.01

$P(a | b)$ : CONDITIONAL PROBABILITY THAT UTTERED SYLLABLE IS a IN  
CASES WHERE SYLLABLE b IS RECOGNIZED

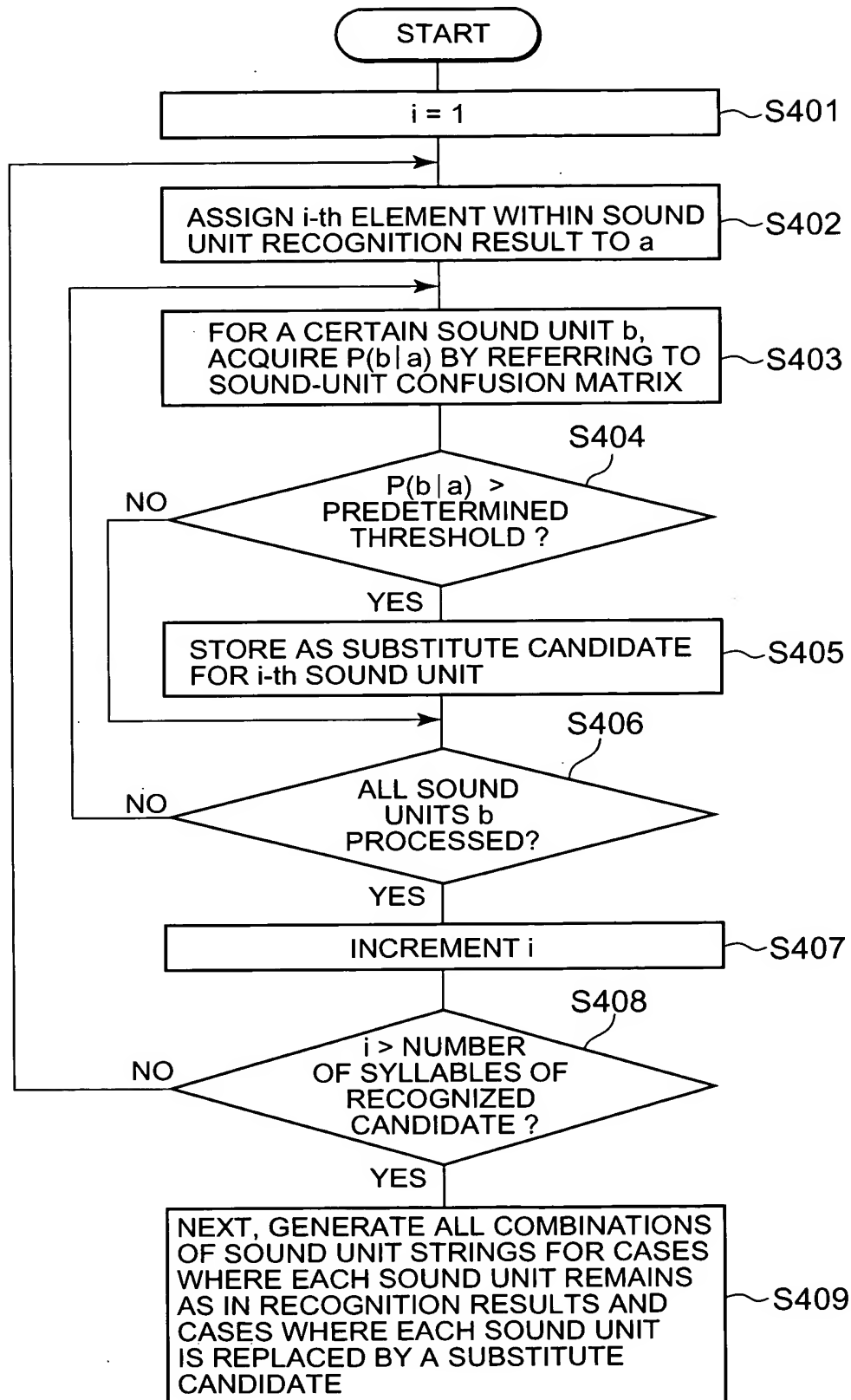
$P(a | b) = N(a) / M(b)$

$N(a)$ : NUMBER OF CASES WHERE SYLLABLE a IS UTTERED AMONG  
CASES RECOGNIZED AS SYLLABLE b

$M(b)$ : CASES RECOGNIZED AS SYLLABLE b

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FIG. 6



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FIG. 7

RECOGNITION RESULTS  
OF SOUND UNITS  
SUBSTITUTE  
CANDIDATES

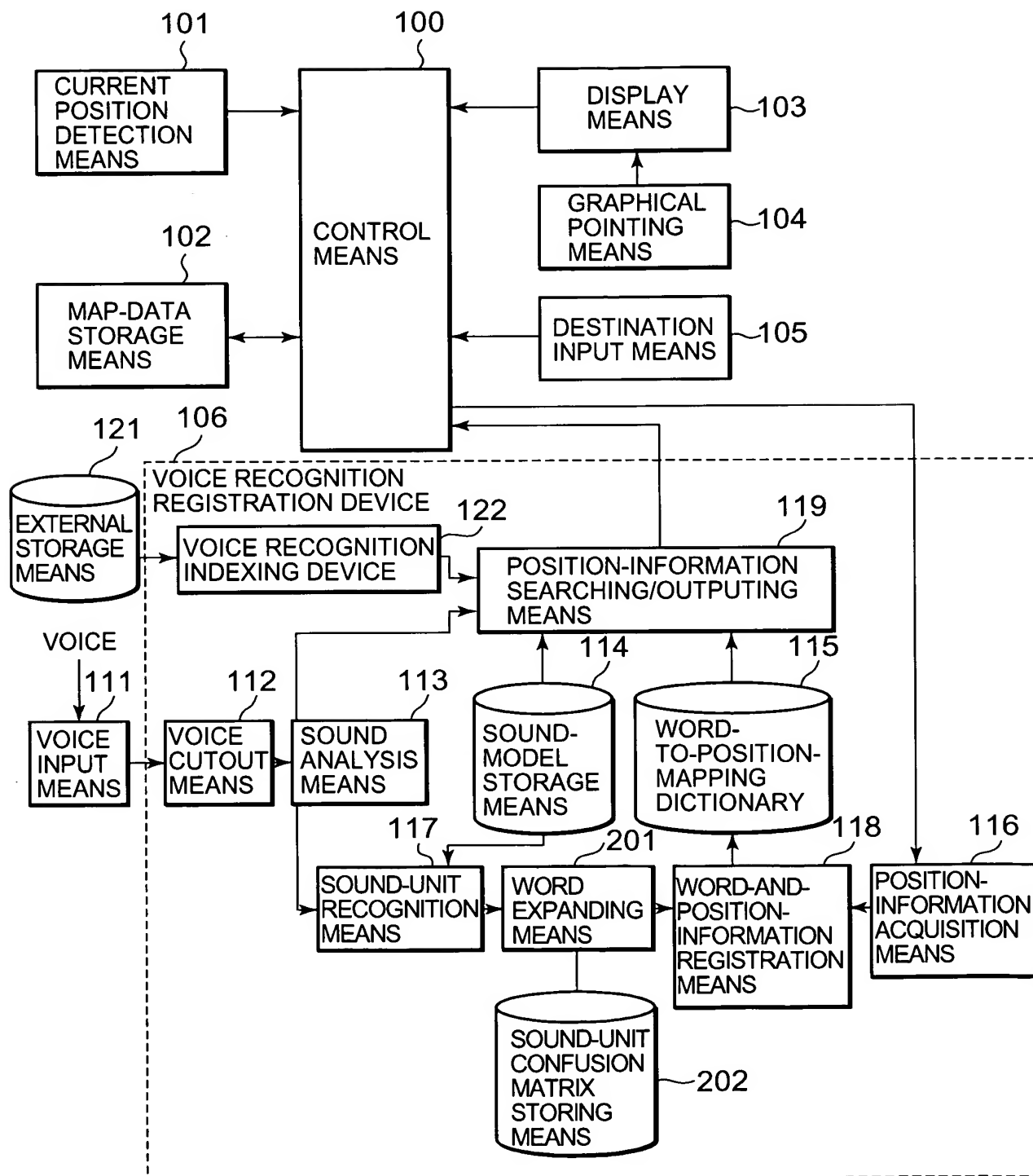
1	2	3	4	5
go	ru	cu	zo	o
		hu	jo	
		u		

EXAMPLE OF SUBSTITUTE CANDIDATES  
FOR SOUND UNITS (SYLLABLES)

DEVELOPED WORDS

"gorucuzoo"
"goruhuzoo"
"goruuzoo"
"gorucujoo"
"goruhujoo"
"goruujoo"

FIG. 8





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FIG. 9

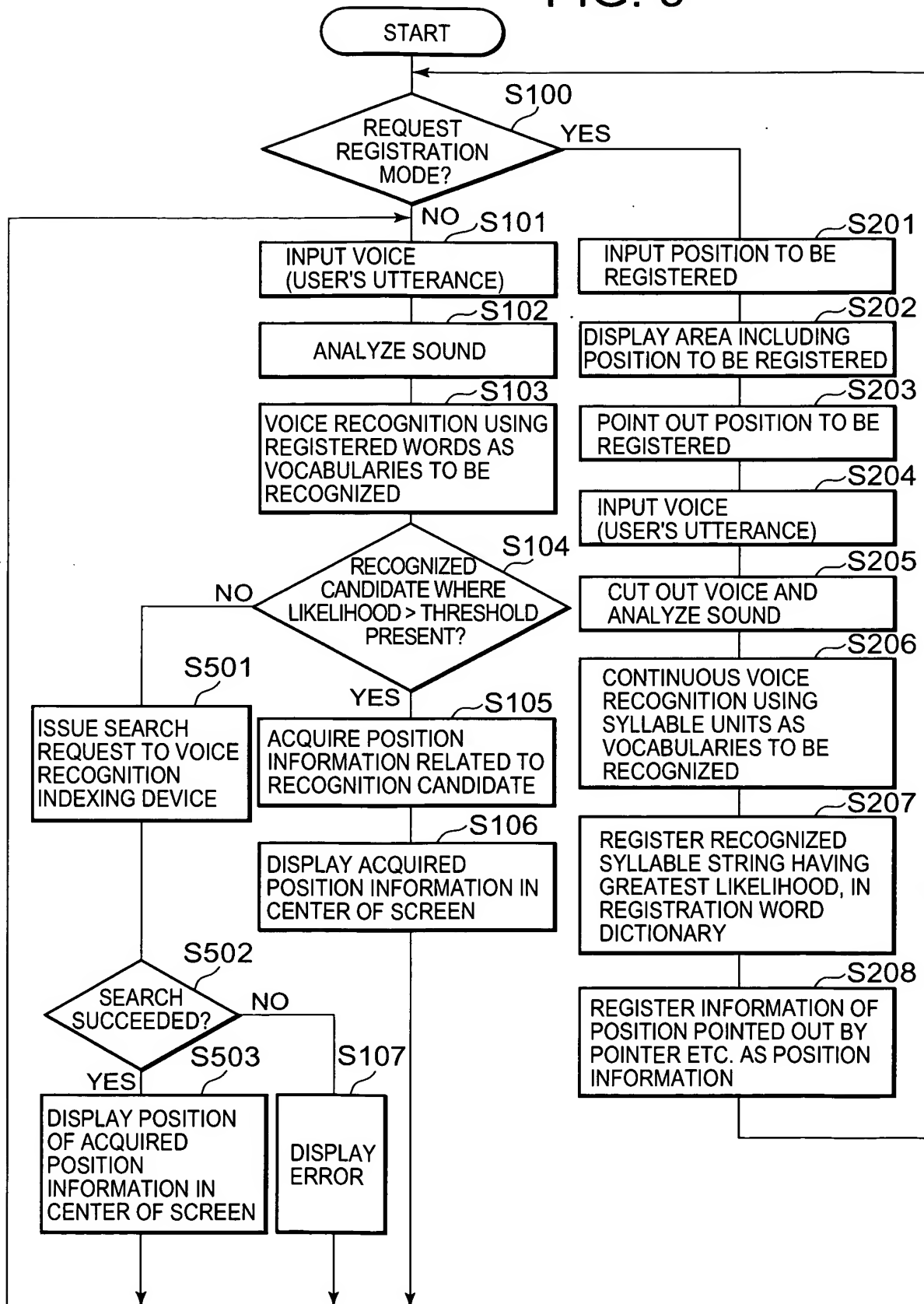
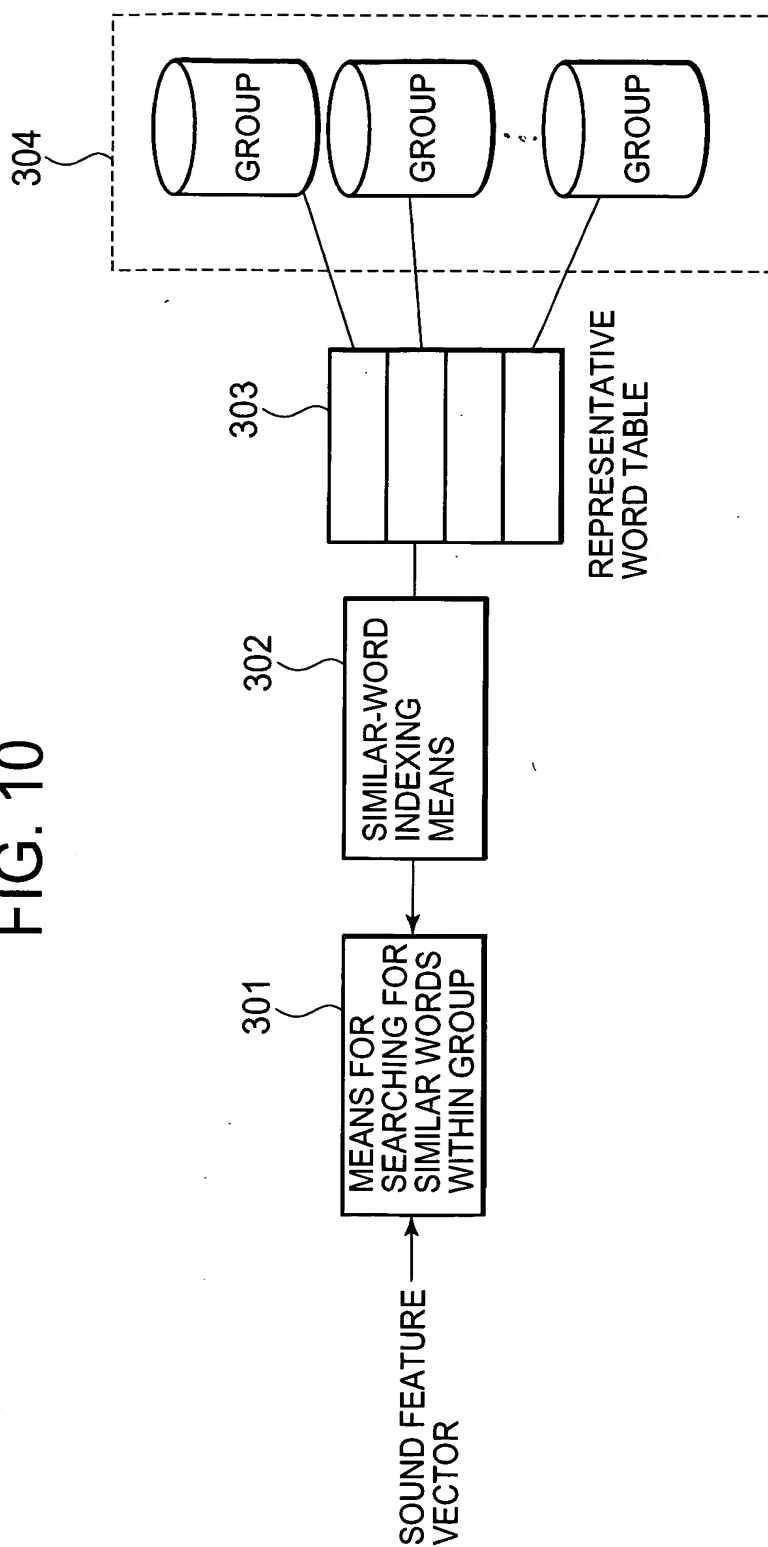


FIG. 10



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FIG. 11

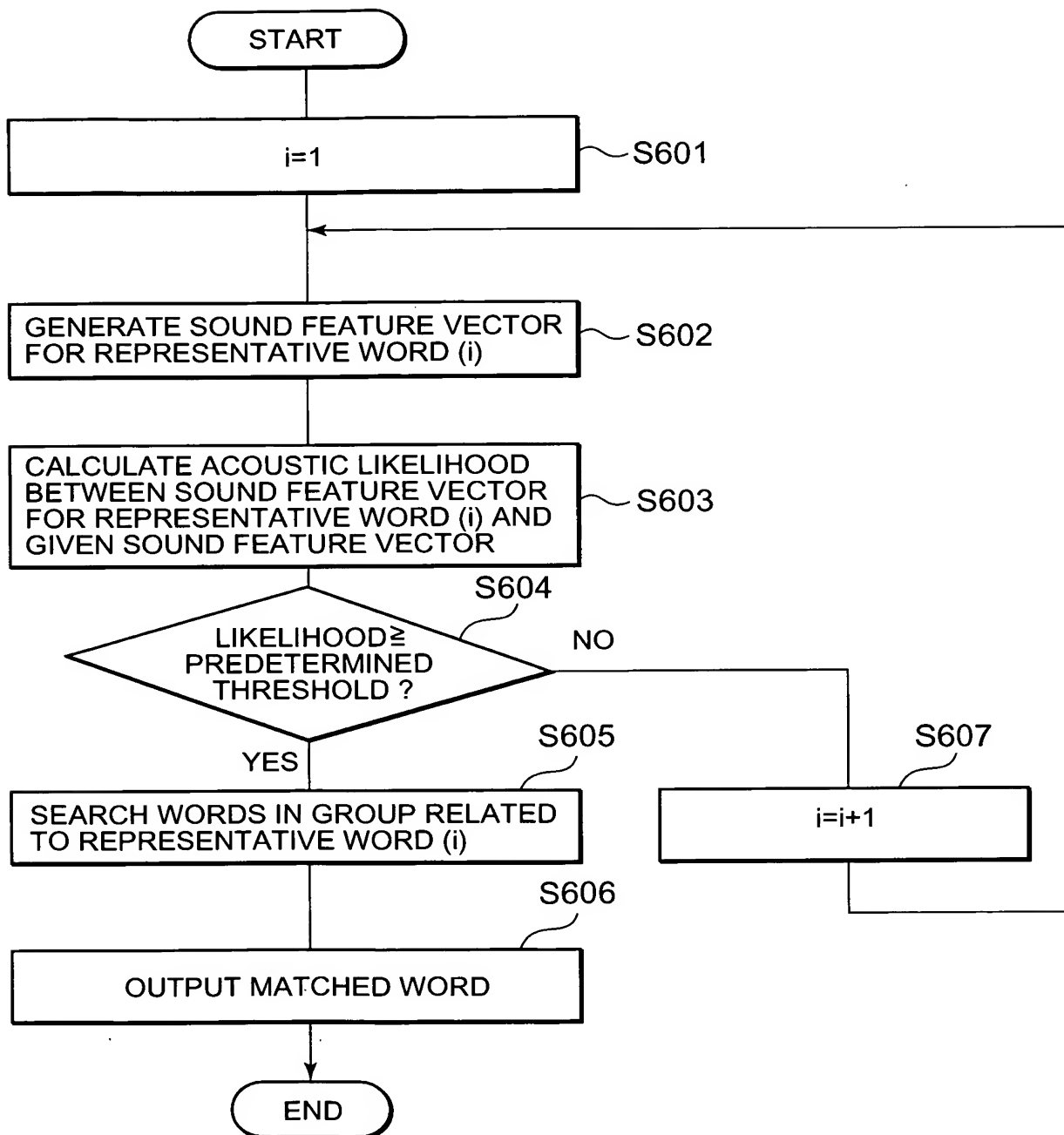


FIG. 12

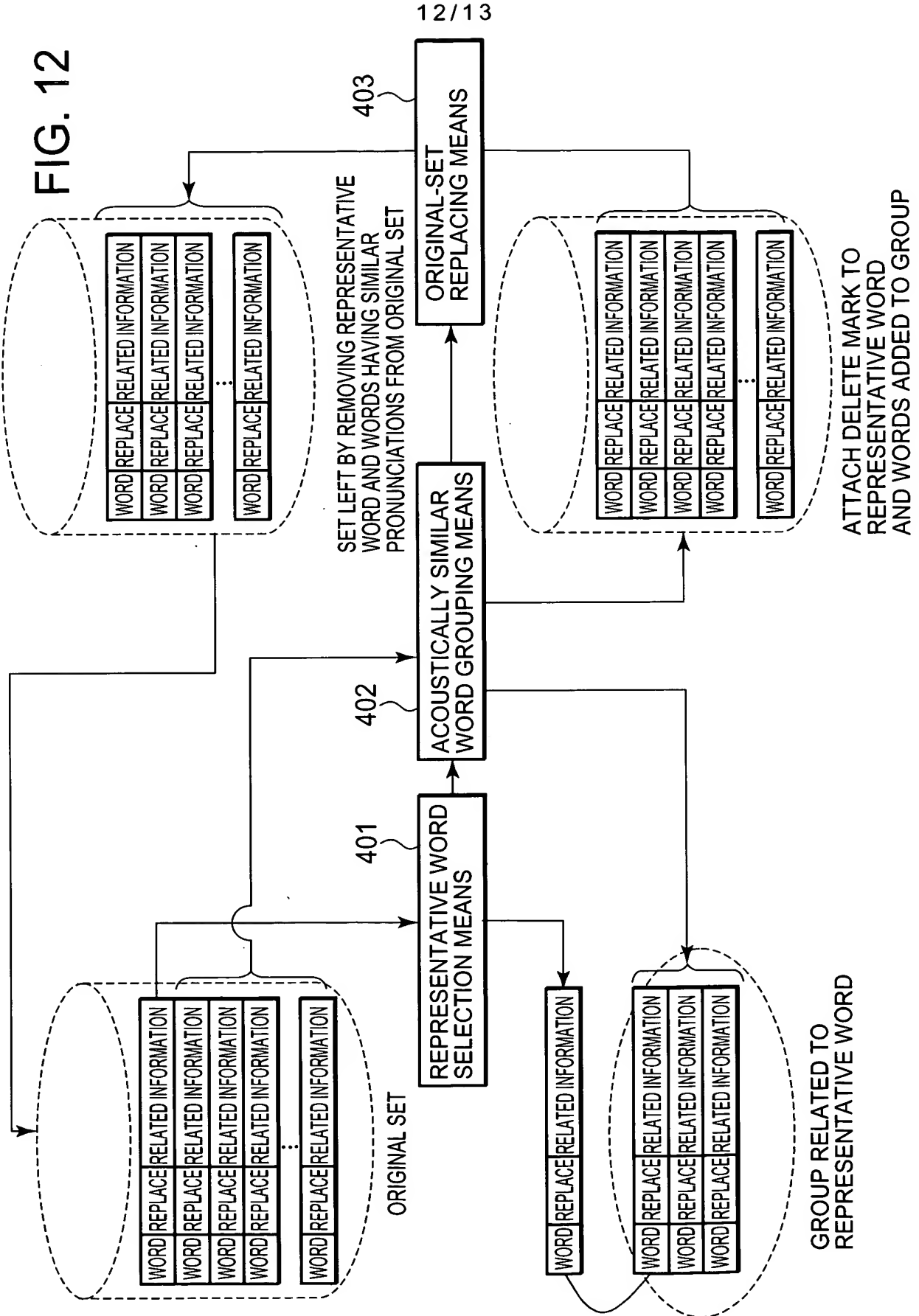


FIG. 13

